

CLAIMS

1. Method for producing filters with membranes of hollow fibres, for example for dialysis, wherein

hollow fibres (1) are laid one after the other in a first housing portion
5 (21) to form a bundle,

subsequently, a second housing portion (23) is placed on the first housing portion (21) to form a filter housing (13),

the two housing portions (21, 23) are connected together in a sealed fashion,

10 at least at one end, the hollow fibres (1) are connected together and with the filter housing (13) in a sealed fashion by means of a potting compound,

and the potted hollow fibre ends are cut so that the hollow fibres (1) terminate with open ends,

characterised in that the first housing portion (21) and the second housing
15 portion (23) are adhered together by means of the potting compound when the hollow fibre ends are potted.

2. Method according to claim 1, characterised in that the hollow fibre bundle ends are each covered with a terminating part (47), which is
20 connected to the filter housing (13) in a sealed fashion.

3. Method according to claim 1 or 2, characterised in that hollow fibres (1) are continuously fed to a rotary winding wheel (9), on the outer circumference of which first housing portions (21) are arranged in such a
25 manner that the hollow fibres (1) are laid one after the other in the first housing portions (21) as the winding wheel (9) is rotated,

and that after placing the second housing portion (23) on the first housing portion (21), the hollow fibres (1) are severed between the filter housings (13).

4. Method according to one of the previous claims, characterised in that the second housing portion (23) is flexibly connected to the first housing portion (21) and is swung over onto the first housing portion (21).

5 5. Method according to claim 4, characterised in that the second housing portion (23) is flexibly connected to the first housing portion (21) by means of a film hinge (27), and is swung over onto the first housing portion (21).

10 6. Method according to one of the previous claims, characterised in that the second housing portion (23) is half-shell-shaped and is placed on the first housing portion (21) which is also half-shell-shaped to form a tubular filter housing (13).

15 7. Method according to one of the previous claims, characterised in that the terminating parts (47) are glued or welded to the filter housing (13) or are screwed onto the filter housing (13).

20 8. Method according to one of the previous claims, characterised in that the first and second housing portions (21, 23) are fastened together by means of clamping means (43, 45; 59, 61) arranged thereon before they are joined in a sealed fashion.

9. Filter with membranes of hollow fibres, for example for dialysis, wherein the hollow fibres are arranged as a bundle essentially parallel to one another in a tubular filter housing, and, at least at one end, are connected together and with the tubular filter housing in a sealed fashion by means of a potting compound, characterised in that the tubular filter housing (13) is composed of two half shells (21, 23), and in that the two half shells (21, 23) are adhered together by means of the potting compound.

10. Filter according to claim 9, characterised in that the tubular filter housing (13) is composed of two flexibly connected half shells (21, 23).

11. Filter according to claim 10, characterised in that the tubular filter housing (13) is composed of two half shells (21, 23) that are flexibly connected by means of a film hinge (27).

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12. Filter according to one of claims 9 to 11, characterised in that the half shells (21, 23) comprise clamping means (43, 45; 59, 61), whereby the half shells (21, 23) are connectable to one another.

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